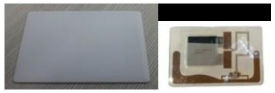
UHF RFID Tag Catalog

Model#	Ref. Picture	Parameter	Application introduction
VT-18 RFID anti-fake certificate		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, Impinj Work Frequency：840—960MHZ Dimension: A4 Memory capacity：96bit Work mode：Read/Write Storage time：>10years Erasable times：>100,000times Application：RFID Certificate of authenticity tag	Quality certificate, university guarantee certificate etc.
VT-11 RFID nail tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：Impinj（4D、4E、4QT）or others Frequency：840—960MHZ EPC Memory：（128、496）bit optional User Memory：（32、128、512）bit optional Dimension：Φ5 x 36mm Work mode：Read / write Storage time： > 10 years Erasable times：＞100,000 times Material：ABS Plastic Installation：rivet or insert	management on wood, paper, outdoor public assets, etc.

Model#	Ref. Picture	Parameter	Application introduction
VT-10 RFID gas cylinder tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C/ ISO18000-6B Chip：NXP(SL\XL\XM) Work Frequency：840—960MHZ Memory capacity：96/368/512/880/1024/2048bit Dimension：60x32x10 mm Work mode：Read/Write Storage time：＞10years Erasable times：＞100,000times Materials：PCB Antenna inside、ABS Case Application：Metal mounted Gas cylinder tag	cylinder management, Civil LPG cylinder safety and traceability management
VT-3005 Sticker paper BAP label		Protocol: EPC global Class1 Gen.2/ ISO18000-6C Integrated power: Without scattering of the energy emitted from the reader get almost 100% reliable recognition rate Frequency: 860—960MHZ Environment friendly battery: adopt battery without chemical and heavy metal materials Printed battery Low-cost ultra-thin and flexible label Adapt to hard environment: Anti-the liquid interference, ideal for logistics transportation application	adapt to high-value assets tracking in kinds of complex application environment. It's the best choice for pallet and container transportation application with higher requirement on RFID performance, such as retail goods and plane transport pallet management.

Model#	Ref. Picture	Parameter	Application introduction
		Application：Logistics, such as pallet tracking Dimension：85x54x1.5mm Memory：96-bit EPC bank 720-bit User bank 64-bit tag unique ID Power：Integrated environment-friendly battery Antenna：Printed antenna IP rating：IP24 Work temperature：-20℃ to +60℃ Humidity：5%-95% non-condensing Lifespan：2 years under room temperature	
VT-3004 BAP tag		Protocol：EPC global Class1，Gen2 ISO 18000-6C Integrated power：Without scattering of the energy emitted from the reader get almost 100% reliable recognition rate Frequency：840—960MHZ Environmentally friendly battery: adopt battery without chemical and heavy metal materials Printed batteries: Low-cost ultra-thin and flexible label Environment Affect Level: Anti-the liquid interference, is ideal personnel tracking label products	Personnel tracking, attendance and etc.

Model#	Ref. Picture	Parameter	Application introduction
		Memory: 96bit EPC，720bit User bank，64bit TID Power: Integrated patented disposable battery Dimension: 88x54x2mm Antenna: Printed antenna Working time: Room temperature for 2 years Working temperature: -20℃ to +60℃ Humidity: 5%-95%non-condensing Application: Personnel card applications	
VT-80 PVC card		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency range：840—960MHZ Dimension：84x54x0.8 mm Memory Size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times:＞100,000 Material：PVC/PET(high-temperature resistant) Application：white card, printing card	Logistics and supply chain management, manufacturing and Assembly, air mail/express parcel handling, baggage handling, document tracking/library management, animal identification and movement timing, access control/electronic tickets, electronic toll collection, city/campus multifunctional card, plastic pallet in warehouse and etc.
VT-80 (6C+Mifare one)		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency range：840—960MHZ	Access control

Model#	Ref. Picture	Parameter	Application introduction
		Dimension：84x54x0.8 mm Memory Size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times:＞100,000 Material：PVC/PET(high-temperature resistant) Application：white card, printing card	
VT-81 PCB board tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：NXP(SL\XL\XM) Frequency ：840—960MHZ Dimension：84x54x1.5 mm Memory Size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Material：PCB board Application：printing card with PVC sticker	Logistics and supply chain management, manufacturing and Assembly, access control, electronic toll collection, plastic pallet in warehouse and etc.
VT-82 Ceramic tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：NXP(SL\XL\XM) Frequency：840—960MHZ Dimension：84x54x0.8 mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years	City smart transportation management, electronic toll collection, taxi management

Model#	Ref. Picture	Parameter	Application introduction
		Re-Writable times：＞100,000 Material：ceramic paste on the windshield, anti-dismounting	
VT-90 key fob tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：840—960MHZ Memory size：96bit Dimension：125x27x4 mm Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Material：leather Application：key access card	Logistics and supply chain management, manufacturing and Assembly, air mail/express parcel handling, baggage handling, access control, electronic toll collection, city/campus multifunctional card and etc.
LA-90A Clothes hang tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj and etc. Frequency：840—960MHZ Dimension：110*35*0.0.8mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Material： paper, PVC, washing label	can be encapsulated into a variety of forms, such as paper hang tag, PVC hang tag, washing label and etc.; can be widely applied to clothing warehousing, logistic, assets management and etc.
VT-87 Anti-metal tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C	Logistics and supply chain management, manufacturing and Assembly, electronic toll

Model#	Ref. Picture	Parameter	Application introduction
		Chip：NXP(SL\XL\XM) Frequency：840—960MHZ Dimension：201x12x13 mm Memory Size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Material：PCB antenna, ABS cover	collection, taxi management, plastic pallet in warehouse, stock location tag and etc.
VT-89 Anti-metal tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：NXP(SL\XL\XM) Frequency：840—960MHZ Dimension：244x12x13 mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Material：PCB antenna, ABS cover+ aluminium alloy back plate Application：license plate tag	Logistics and supply chain management, container management, manufacturing and Assembly, electronic toll collection, taxi management, plastic pallet in warehouse, stock location tag and etc.
VT-100 Animal ear tag		Protocol: ISO 18000-6C Chip: Alien H3 Frequency: 860—960MHZ Memory: 96bits Read distance: 0.5m（Handheld reader） Dimension: Φ30x13 mm Work mode: R/W	Animal tracking

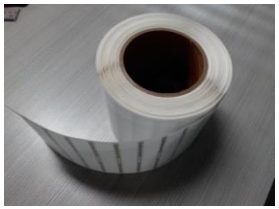
Model#	Ref. Picture	Parameter	Application introduction
		Storage time: ＞5 Years Bear tension: 350N(Newton) Material: Thermoplastic elastomeric rubber Operation Temp.: -20 ºC to -85 ºC	
VT-100A Animal ear tag		Protocol: ISO 18000-6C Chip: Alien H3 Frequency: 860—960MHZ Memory: 96bits Read distance: 0.5m（Handheld reader） Dimension: 73*83mm 55*48mm Work mode: R/W Storage time: ＞5 Years Bear tension: 350N(Newton) Material: Thermoplastic elastomeric rubber Operation Temp.: -20 ºC to -85 ºC	Animal tracking
VT-93 One-time Seal tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, Impinj and etc. Frequency：840—960MHZ Memory size：96bit Dimension: 330*2mm(whole part) 85*28mm(signal part) Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000	anti-counterfeiting on items, anti-tamper on items, track on items, container seal management, food tracing and etc.

Model#	Ref. Picture	Parameter	Application introduction
		Material：low pressure/mix polypropylene	
LA-91 Washable cloth tag		Protocol: EPC CLASS1 Gen 2 / ISO 18000-6C Chip: Impinj Monza5 Work Frequency:860—960MHZ EPC Memory capacity: 96bit Dimension: 75(L)*38(W)*0.3(H)mm Work mode: Read/Write Storage time: ＞10years Erasable times: ＞100,000times Work temperature: -40℃-70℃ Material: Washed cloth	Retails management, Logistics management, Clothing management, RFID Laundry management
VT-85B Silicon laundry tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, Impinj and etc. Frequency：840—960MHZ Memory size：96bit Dimension: Φ24*2.5mm Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Material：PPS + silicon	Assets management, laundry management

Model#	Ref. Picture	Parameter	Application introduction
VT-85C Silicon laundry tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj and etc. Frequency：840—960MHZ Dimension：102 x14 x1.1mm Memory size：96bit Applicable temperature：-20°—85° Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Colors：white, black, blue, yellow Material：silicon	Assets management, laundry management
VT-85D Silicon laundry tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, Impinj and etc. Frequency：840—960MHZ Dimension：56 x12 x1.8mm Memory size：96bit Applicable temperature：-20°—85° Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Colors：white, black, blue, yellow Material：silicon	Assets management, laundry management

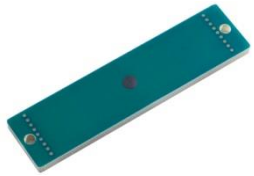
Model#	Ref. Picture	Parameter	Application introduction
LA-84 jewelry tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, Impinj and etc. Frequency：840—960MHZ Memory size：96bit Dimension: 68*13*0.18mm Applicable temperature：-20°—85° Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Material： paper, PP, PVC Installation methods：hang, back adhesive	Luxury/jewelry/wristwatch management
LA-10 Paper adhesive sticker label		Protocol: EPC CLASS1 Gen 2 / ISO 18000-6C Chip: Impinj Monza4 Frequency: 840—960MHZ Memory capacity: 96bits Dimension: 20 x 20mm Work mode: Read/Write Storage time: ＞10years Erasable times: ＞100,000times Material: Paper Backside sticker: 3M	Library and archives management, asset tracking, warehouse management and etc.

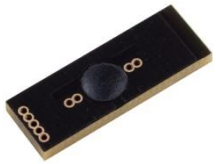
Model#	Ref. Picture	Parameter	Application introduction
LA-92 Paper adhesive sticker tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, Impinj and etc. Frequency：840—960MHZ Dimension: 1*4 inch, 2*4 inch, 4*4 inch, 4*6 inch. Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Material：paper Back adhesive：3M Standard print scope	Assets management and etc.
LA-86B Paper sticker tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip： impinjM4 and etc. Frequency：840—960MHZ Dimension：50 x 50 x 0.18mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Material：paper Back adhesive：3M	Library management, assets management and etc.

Model#	Ref. Picture	Parameter	Application introduction
LA-86C EAS paper sticker label		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：NXP G2il（ EAS） Frequency：840—960MHZ Memory capacity：96bits Dimension：105 x 7 x 0.18mm Work mode：Read/Write Storage time：＞10years Erasable times：＞100,000times Material ：Paper Backside sticker：3M Application：Books and files management tag	Library and archives management, asset management
LA-101 Anti-tamper tag		Material: Breakable material Protocol: ISO18000-6C、EPCGen2 Frequency: 860Mhz—960Mhz Chip: ALIEN HIGGS,IMPINJ MONZA,NXP G2 Size: 120x50x0.18mm or Customized Thickness: 120um±5 Anti-tamper: With breakable material and anti-removable technology ， Tag will damaged when remove, can not use again Write data: Can do the data writing depend on requirement Printing: Graphic ,Logo,1D/2D barcode, and ink printing	Vehicle identification, commodity Anti-counterfeiting、 pass Anti-counterfeiting and so on, assets tracking

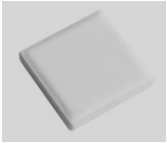
Model#	Ref. Picture	Parameter	Application introduction
		Tensile force Machine direction :258N/25mm Transverse: 128N/25mm Tear degree: Machine direction :58g Operation temperature: -40℃---+80℃ Storage temperature: -10℃---+40℃ Water proof: Can effectively prevent water stains erosion（Secure against minor surface scrub） Life: 10years Data Erase time: 100K times Stability of printed information: At least 5years Quality checking: Full inspection, bad tags has been replaced	
LA-97 Glass sticker paper tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：860—960MHZ Dimension：120(L)*50(W)*0.3(H)mm Memory size：512bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Applicable temperature：-30°-70° Installation method：with back adhesive	windshield management, annual inspection of vehicle, gate pass for vehicle and etc.

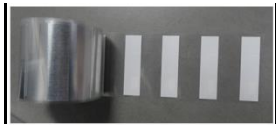
Model#	Ref. Picture	Parameter	Application introduction
VT-91 Anti-metal tag		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：840—960MHZ Dimension：130 x 35 x 12mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Material：ABS Installation method：screw, rivet or 3M back adhesive	Goods allocation tag in smart shelf, pallet tag, assets management and etc.
VT-83L Anti-metal tag US frequency		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：902—928MHZ Dimension：130*22*3.5mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Applicable temperature：-40°-180° Installation method：back adhesive & rivet hole	Warehouse management, logistics management, large-scale equipments management, steel industry and etc.
VT-83 Anti-metal tag US frequency		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc.	Warehouse management, logistics management, large-scale equipments management, auto parts management,

Model#	Ref. Picture	Parameter	Application introduction
		Frequency：902—928MHZ Dimension：95*25*3.5mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Applicable temperature：-40°-180° Installation method：back adhesive & rivet hole	steel industry and etc.
VT-83 N US frequency		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：902—928MHZ Dimension：90*11*3.7mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Applicable temperature：-40°-180° Installation method：back adhesive & rivet hole	Equipment control panel management, small size of assets management, tobacco industry management, manufacturing management, logistics management, large-scale equipments management, auto parts management, steel industry and etc.
VT-83 M All frequency		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：860—960MHZ Dimension：80*20*3.2 mm Memory size：96bit	IT assets management, manufacturing management, logistics management, large-scale equipment management, auto parts management and etc.

Model#	Ref. Picture	Parameter	Application introduction
		Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Applicable temperature：-25°-80° Installation method：with back adhesive and rivet hole	
VT-94 Anti-metal tag US frequency		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：902—928MHZ Dimension：36*13*2.7mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Applicable temperature：-40°-180° Installation method：with back adhesive	IT assets management, manufacturing management, logistics management, large-scale equipment management, auto parts management and etc.
VT-94s Anti-metal tag US frequency		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：902—928MHZ Dimension：22*8*2.7mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Applicable temperature：-40°-180°	IT assets management, manufacturing management, logistics management, large-scale equipment management, auto parts management and etc.

Model#	Ref. Picture	Parameter	Application introduction
		Installation method：with back adhesive	
VT-95 Anti-metal tag US frequency		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：902—928MHZ Dimension：25*9*3mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Applicable temperature：-40°-150° Installation method：with back adhesive	IT assets management, instruments management, board card management and etc.
VT-95M Anti-metal tag US frequency		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：902—928MHZ Dimension：19*9*3mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Applicable temperature：-40°-150°Installation method：with back adhesive	Equipment control panel management, small size of products management, host units in computer room management, IT assets management, instruments management, board card management and etc.

Model#	Ref. Picture	Parameter	Application introduction
VT-95S Anti-metal tag US frequency		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：902—928MHZ Dimension：12*7*3 mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Applicable temperature：-40°-150° Installation method：with back adhesive	Equipment control panel management, small size of products management, host units in computer room management, IT assets management, instruments management, board card management and etc.
VT-96 Anti-metal tag US frequency		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：902—928MHZ Dimension：17*13*5mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Applicable temperature：-40°-150° Installation method：with back adhesive	Equipment control panel management, small size of products management, host units in computer room management, IT assets management, instruments management, board card management and etc.
VT-96M Anti-metal tag US frequency		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：902—928MHZ Dimension：25*25*3mm	Equipment control panel management, small size of products management, host units in computer room management, IT assets management, instruments

Model#	Ref. Picture	Parameter	Application introduction
		Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Applicable temperature：-40°-180° Installation method：with back adhesive	management, board card management and etc.
VT-98 High-temperatur e resistant anti-metal tag All frequency		Protocol：EPC CLASS1 Gen 2 / ISO 18000-6C Chip：ALIEN, impinj, NXP and etc. Frequency：860—960MHZ Dimension：21*17*2mm Memory size：96bit Work mode：readable-writable Storage life：＞10 years Re-Writable times：＞100,000 Applicable temperature：-40°-180° Installation method：with back adhesive	Equipment control panel management, small size of assets management, tobacco industry management, manufacturing management, logistics management, large-scale equipment management, auto parts management, steel industry management and etc.
VT-40P UHF RFID Anti-metal Label		Protocol：EPC Class 1 Gen2 Work Frequency：866-868(EU) 902-928(US) Reading distance (by fixed reader)： Up to 4m (13.1ft) Memory Capacity：User - 512bits Material Compatibility：Optimized application for metal surface Chip：Impinj Monza 4QT Dimension(mm)：101.0 x 25.0 x 0.8	● VANCH VTPJ-4 UHF RFID label is workable to the surface of any materials including metal. ● Small in size, unique in structure, optimized for operation of thermal barcode printer, cost-saving and accessible for UHF RFID application in metal or liquid environment. ● Apply for: office or IT assets

Model#	Ref. Picture	Parameter	Application introduction
		tolerance +/- 0.5 Dimension(in)：4.0 x 1.0 x 0.03 tolerance +/-0.02 Weight(g): 1.0 Work temperature: -20 to +65oC Max. temperature durable for long-term exposure（ddwwyy）: 65oC Max. temperature durable for short-term exposure（mmhh）: +85oC Waterproof: IP54 Affix method: Self-adhesive	tracking, including logistics industry with metal wrapping, medical lab equipment/hospital assets.
VT-101B Tire patch tag		Protocol: EPC class 1 Gen 2/ISO 18000-6C Frequency: 860—960MHZ Read distance: 0-2m Memory: 96bits EPC,512bits user memory R/W: Can read/write data into the tag Unique ID: The factory programmed tag identification number is unique to prevent cloning. Installation: mounted inner side of the tire Dimension: 110*55*3mm Weight: 8.5g	Tire tracking
VT-88A Silicon wristband tag		Protocol: EPC CLASS1 Gen 2 / ISO 18000-6C Chip: Impinj Monza4 Frequency: 860—960MHZ	Personnel tracking, attendance

Model#	Ref. Picture	Parameter	Application introduction
		EPC Memory capacity: 96bit Dimension: 255(L)*21(W)*10(H)mm Work mode: Read/Write Storage time: ＞10years Erasable times: ＞100,000 Work temperature: -10°-120° Storage temperature: -20~120℃ Material：Silicone rubber Water resistance: waterproof	
VT-88B Tyvek wristband tag		Protocol: EPC CLASS1 Gen 2 / ISO 18000-6C Chip: Alien H3 Frequency: 860—960MHZ EPC Memory capacity: 96bits Dimension: 295(L)*28(W)*0.2(H)mm Work mode: Read/Write Storage time: ＞10years Erasable times: ＞100,000 Work temperature: -30°-70° IP rating: IP65 Material：Tyvek Installation methods：one-time snap-fastener or adhesive	Personnel tracking, attendance